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L1	63	(pig or swine) and F18	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/12/29 08:00
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L3	13	(pig or swine) with F18	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/12/29 08:00
L4	13	(pig or swine) with F18	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/12/29 08:00
L5	20	(pig or swine) same F18	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/12/29 08:00

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Time: 07:44:32



## PALM INTRANET

# Continuity Information for 09/844268

### Parent Data

09844268

is a division of 09443766

Which Claims Priority from Provisional Application 60047181

### Child Data

No Child Data

Appln Info	Contents	Patent Info	Atty/Agent Info	Continuity Data	Foreign Data	Inventor
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 PALM INTRANET**Application Number Information****Application Number:** 09/844705  
**Assignments****Filing or 371(c) Date:** 04/27/2001**Effective Date:** 04/27/2001**Application Received:** 04/30/2001**Pat. Num./Pub. Num:** 6965022/20020133836**Issue Date:** 11/15/2005**Date of Abandonment:** 00/00/0000**Attorney Docket Number:** 21419/91512**Status:** 150 /PATENTED CASE**Confirmation Number:** 2430**Examiner Number:** 77509 / WOITACH, JOSEPH**Group Art Unit:** 1632      **IFW IMAGE****Class/Subclass:** 536/023.500**Lost Case:** NO**Interference Number:****Unmatched Petition:** NO**L&R Code:** Secrecy Code:1**Third Level Review:** NO**Secrecy Order:** NO**Status Date:** 10/26/2005**Oral Hearing:** NO**Title of Invention:** METHODS TO IDENTIFY SWINE GENETICALLY RESISTANT TO F18 E. COLI ASSOCIATED DISEASES

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## Application Number Information

Application Number: **09/443766** [Order This](#)  
[File Assignments](#) Examiner Number: **77509 / WOITACH, JOSEPH**  
 Filing or 371(c) Date: **11/19/1999** Group Art Unit: **1632**  
 Effective Date: **11/19/1999** Class/Subclass: **800/017.000**  
 Application Received: **11/19/1999** Lost Case: **NO**  
 Patent Number: **6596923** Interference Number:  
 Issue Date: **07/22/2003** Unmatched Petition: **NO**  
 Date of Abandonment: **00/00/0000** L&R Code: Secrecy Code: **1**  
 Attorney Docket Number: **21419/90368** Third Level Review: **NO** Secrecy Order: **NO**  
 Status: **150 /PATENTED CASE** Status Date: **07/02/2003**  
 Confirmation Number: **7698** Oral Hearing: **NO**  
 Title of Invention: **METHODS AND COMPOSITIONS TO IDENTIFY SWINE GENETICALLY RESISTANT TO F18 E. COLI ASSOCIATED DISEASES**

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<b>09443766</b>	<b>9200</b>	<b>11/25/2003</b>	<b>No Charge to Location</b>	<b>No Charge to Name</b>	<b>FAGYEMAN</b>	

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## Application Number Information

Application Number: **09/151592** [Order This File Assignments](#) Examiner Number: **77696 / PARAS JR, PETER**

Filing or 371(c) Date: **09/18/1998**Group Art Unit: **1632**Effective Date: **09/10/1998**Class/Subclass: **800/017.000**Application Received: **09/10/1998**Lost Case: **NO**Patent Number: **6355859**

Interference Number:

Issue Date: **03/12/2002**Unmatched Petition: **NO**Date of Abandonment: **00/00/0000**L&R Code: Secrecy Code: **1**Attorney Docket Number: **21419/90119**Third Level Review: **NO**Secrecy Order: **NO**Status: **150 /PATENTED CASE**Status Date: **02/21/2002**Confirmation Number: **7995**Oral Hearing: **NO**

Title of Invention: **INTERACTIONS BETWEEN GENOTYPE AND DIET IN SWINE THAT PREVENT E. COLI ASSOCIATED INTESTINAL DISEASE**

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<b>09151592</b>	<b>9200</b>	<b>07/17/2003</b>	<b>No Charge to Location</b>	<b>No Charge to Name</b>	<b>KASAH,EMMANUEL</b>	

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Range: from **begin** to **end**  Reverse complemented strand Features:  SNP  CDD

**1:** AF136896. Reports Sus scrofa alpha-...[gi:7328563] [Links](#)

**LOCUS** AF136896 2528 bp mRNA linear MAM 27-FEB-2001

**DEFINITION** Sus scrofa alpha-1,2-fucosyltransferase (FUT1) mRNA, complete cds.

**ACCESSION** AF136896

**VERSION** AF136896.1 GI:7328563

**KEYWORDS** .

**SOURCE** Sus scrofa (pig)

**ORGANISM** Sus scrofa  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae; Sus.

**REFERENCE** 1 (bases 1 to 2528)

**AUTHORS** Meijerink,E., Neuenschwander,S., Fries,R., Dinter,A., Bertschinger,H.U., Stranzinger,G. and Vogeli,P.

**TITLE** A DNA polymorphism influencing alpha(1,2)fucosyltransferase activity of the pig FUT1 enzyme determines susceptibility of small intestinal epithelium to Escherichia coli F18 adhesion

**JOURNAL** Immunogenetics 52 (1-2), 129-136 (2000)

**PUBMED** 11132149

**REFERENCE** 2 (bases 1 to 2528)

**AUTHORS** Meijerink,E., Neuenschwander,S., Stranzinger,G. and Vogeli,P.

**TITLE** Direct Submission

**JOURNAL** Submitted (24-MAR-1999) Institute of Animal Science, Federal Institute of Technology, Tannenstrasse 1, Zurich, CH 8092, Switzerland

**FEATURES** Location/Qualifiers

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**CDS**  
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## ORIGIN

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Range: from **begin** to **end**  Reverse complemented strand Features:  SNP  CDD

**1: AX752829. Reports Sequence 12 from ...[gi:32134722]** Links

**LOCUS** AX752829 1269 bp mRNA linear PAT 20-JUN-2003

**DEFINITION** Sequence 12 from Patent EP1310570.

**ACCESSION** AX752829

**VERSION** AX752829.1 GI:32134722

**KEYWORDS**.

**SOURCE** Sus scrofa (pig)

**ORGANISM** Sus scrofa Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae; Sus.

**REFERENCE** 1

**AUTHORS** Bosworth, B.T. and Voegeli, P.

**TITLE** Methods and compositions to identify swine genetically resistant to F18 E. coli associated diseases

**JOURNAL** Patent: EP 1310570-A 12 14-MAY-2003; Biotechnology Research and Development Corporation (US); U.S. Department Of Agriculture (US) ; Swiss Federal Institute of Technology Zurich (CH)

**FEATURES** Location/Qualifiers

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**gene** 1..1269 /gene="FUT1"

**CDS** 9..1106 /gene="FUT1" /codon\_start=1 /product="alpha (1,2) fucosyltransferase" /protein\_id="CAD99177.1" /db\_xref="GI:32134723" /translation="MWVPSRRHLCLTFLLVCVLAAIFFLNVYQDLFYSGLDLLALCPD HNVVSSPVAIFCLAGTPVHPNASDSCPCKHPASFGTWTIYPDGRFGNQMGQYATLLA AQLNGRQAFIQPAMPAVLAPVFRITLPVLAPEVDRHAPWRELELHDWMSEDYAHLKEP WLKLITGFPSCSWTFHHLRQIRSEFTLHDHLRQEAGVLSQFRLPRTGDRPSTFVGVH VRRGDYLRVMPKRWKGVGDRYLQQAMDWFRA RYEAPPVFVVTNSNGMECRKNIDTSR GDVIFAGDGREAAPARDFALLVQC NHITMIGTGF GFWAAYLAGGDTIY LANFTLPTSS FLKIFKPEAAFLPEWVG INADLSPLQMLAGP"

**ORIGIN**

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1: [Ann Hum Genet. 1991 Jul;55 \( Pt 3\):225-33.](#)

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## The human chromosome 19 linkage group FUT1 (H), FUT2 (SE), LE, LU, PEPD, C3, APOC2, D19S7 and D19S9.

**Ball SP, Tongue N, Gibaud A, Le Pendu J, Mollicone R, Gerard G, Oriol R.**

Department of Biological Sciences, University of Exeter, U.K.

Families segregating for deficiency of the H alpha-2-L-fucosyltransferase, FUT1, have been investigated for linkage between FUT1 and other markers on chromosome 19. The results provide evidence for close linkage between FUT1 and FUT2 and for looser linkage between FUT1 and APOC2 and between FUT1 and D19S7. Pairwise linkage data are also reported between other markers investigated.

PMID: 1763885 [PubMed - indexed for MEDLINE]

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